RUDRAPRASAD CONSULTANTS
Structural Engineers, Architects &
Project Management Consultants

NAME OF WORK:- Improvements CC Roads and CC Drains Works at Kattigenahalli in Ward No.5 Byatarayanapura Sub Division

Name of Client : Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore.

Contractor/ Agency: Executive Engineer, KRIDL, Bangalore.

Total Cost : .97,01,301.59/-

Date Of Inspection : 13-02-20

Status Of Bill : First & Final Bill

In the Presence of : a) Assistant Engineer ,Ward no-5 ,Byatarayanapura division, BBMP, Bangalore
b) R. Karthik Rechan, Partner, M/S RUDRAPRASAD CONSULTANTS, BANGALORE

Executive Engineer 13/2/2020
Project Division
Yelahanka Zone
Bangalore

PMC COMPLIANCE REPORT		
Sl. No.	**Description of work**	**Comments/Observations**
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
2	Removing B.S slab of drain and stacking 7.5MM thick and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
3	Removing and refixing stone slabs of drains and pointing in CM (1:3) and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
4	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory

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5	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
6	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
7	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
8	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
9	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory

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10	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
11	Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.459 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed machine mixed, exceeding 15 cms thick, vibrated for all works in foundation. plinth and ground floors level for roof slabs staircase lintels retaining walla, return walls,walls(any thickness)including attched plasters,coloumns peirs,abutments,pillars,post struts,buttresses,string or lacing cources,parapets,coping bed blosks,anchor blocks,plain window sills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
12	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
13	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory

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14	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
15	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications.. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
16	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift complete as per specifications and directions of Engineer in charge of work.	

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17	precast slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
18	providing and installing at site of work 63mm (0.662) PVC pipes of 6kg /cm2 including cost of pipe and specials and labour,including lowering into trenches,laying true to line level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges including encasing the pipe alround to the depth not less than 15cms with gravel or selected earth available from excavation etc., and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
19	Providing and laying reinforced cement concrete pipe NP2 for prestressed concrete pipe for culverts including on first class bedding of granular material in single row including fixing collars with cement mortar 1:2 but excluding excavation protection works back filling and measonary works in head wall and parapet complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
20	Providing 100mm and down nominal size and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
21	Providing 100mm and down nominal size and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
22	Providing 20mm and down nominal size and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
23	Loading and Unloading of Stone Boulders by Manual Means complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory

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24	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory

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